



Air Handling Systems Newsletter

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INDUSTRIAL STRENGTH Ductwork Direct

JULY 2013

Q & A with Doctor of Ductwork, Curt Corum

Q: I would like to install my dust collector outside as close to building as possible. Is this possible?

A: When installing a dust collector outside next to building, there are a couple things to take into consideration.

1.) Intake and clean air return duct. Just as inside, we have to use the proper radius elbows on the exterior. It is important to minimize resistance in each case. If the collector is too close to wall, a series of short radius elbows may be required. This situation could seriously reduce air flow. Locate collector so that wide sweep elbows can be utilized as well as the minimum amount possible. Dust collector placement should be addressed in the original design phase. Many times the concrete pad is poured too close to outside wall.

2.) Spark detection and abort gate. Most dust collection systems today require a spark detection system and return air abort gate. Spark detection requires a clear 30 foot duct run from when the last machine enters main line to dust collector. This is critical due to speed of air in pipe. The spark must be detected and quenching device has to put spark out before it passes. The 30 foot run does not have to be straight. It could be 15 feet, 90 degree elbow, and 15 feet. If some of the footage is obtained outside, the main can run along wall to collector. The concrete pad location will be quite a distance from where intake pipe leaves building. The abort gate requires much less space, but has to be compensated for. Please double check the 30 foot dimension as not all spark detection systems may be the same.

Sincerely,
Curt Corum
Sales Manager

Air Handling Systems has a plethora of technical data -[click here](#) for more technical sheets and specification on our products as well as information on dust collection and other industry related data.

AWFS 2013 Combustible Dust Seminar.

**Combatting Combustible
Dust, Session Wednesday**
July 24 1:00PM - 2:30 PM



Simply defined, combustible dusts are fine particles that present an explosion hazard when suspended in air under certain conditions, according to OSHA. But it is not a simple matter. This seminar will go into detail explaining exactly what combustible wood dust is and talk about who is in charge of combustible dust issues at the shop level and within government and discuss the applicable voluntary consensus standards. Can it really happen in a woodworking facility? Gain invaluable knowledge on how to prevent an explosion and tips to mitigate an impact of an OSHA inspection related to combustible dust. This is a valuable seminar for plant managers, maintenance staff, operation directors and woodworking facility owners of ALL sizes.

Speaker - Jamison Scott, Executive Vice President, Air Handling Systems, a third-generation family owned industrial ventilation manufacturing firm in Connecticut. He has over 20 years experience and holds an MBA as well as a sheet metal contractor's license. Jamison serves as a technical resource and author of combustible dust articles for national and international trade publications. He sits on the Technical Advisory Board for the publication, *Air Pollution Control* and chairs the Industrial Dust Task Force for WMMA.

[Click here to register.](#)

Combustible Dust Flexible Hose

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News Article Archives

Click here to view are archive of newsletters since 2009 featuring customer stories, Q & A with the Doctor of Ductwork, articles on combustible dust and stories about Air Handling Systems and our staff.

U30-SDC,combustible dust solution is the answer for those who want to minimize the static build up from the friction caused by the material traveling through the hose. It is a flexible thermoplastic urethane hose which is an ideal choice for highly abrasive applications such as pellets, or dust collection. Recommended for fine powders found in woodworking, solid surface, plastics, toner dust, graphite, fertilizer.

What makes Air Handling Systems the BEST Choice...

CLICK HERE here to download the TOP reasons Air Handling Systems is better than ALL other competitors.

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